

TECHNICAL DATA SHEET

MPEG-DPPE, MW 550, 750, 1000, 2000, 5000, 10k, 20k

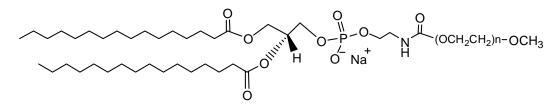
Catalog Numbers: PG1-DP-550, 750, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Methoxy PEG DPPE, PEG DPPE

Description:

mPEG DPPE is one of Nanocs' phospholipid PEG derivatives that have a DPPE lipid covalently linked to a linear PEG molecule. DPPE (1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine) is a 16 carbon phospholipid that is highly hydrophobic. PEG backbone, on the other hand, offers good hydrophilicity. Pegylated phospholipids are excellent liposome formulation materials that can be used for drug encapsulation, gene transfection and vaccine delivery. Pegylated phospholipids significantly improves the blood circulation time and stability for encapsulated drugs. These pegylated phosphoethanolamine materials can also be used for targeted drug delivery by modifying their surfaces with targeting ligands such as antibodies, peptides.

Product Structure:



Product Specifications:

- Composition: Methoxy PEG DPPE.
- Appearance: White/off-white semi-solid depends on molecular weight.
- Purity: > 95%.
- Solubility: 10 mg/mL, clear in hot water and chloroform.
- Stability: >6 months at -20 $^{\circ}$ C.

Handling and Use:

mPEG DPPE should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit **www.nanocs.net**.

Storage Conditions:

DPPE PEG should be stored at -20 ^oC. Desiccate. Re-test material after 6 months.

This product is for research use only and is not intended for use in humans or for diagnostic use.

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